

Arijit Misra

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

207
citations

840776

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1125743

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25
docs citations

25
times ranked

89
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated source-free all optical sampling with a sampling rate of up to three times the RF bandwidth of silicon photonic MZM. Optics Express, 2019, 27, 29972.	3.4	29
2	Eight-Channel Silicon-Photonic Wavelength Division Multiplexer With 17 GHz Spacing. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-10.	2.9	28
3	Agnostic sampling transceiver. Optics Express, 2021, 29, 14828.	3.4	19
4	Nonlinearity- and dispersion- less integrated optical time magnifier based on a high-Q SiN microring resonator. Scientific Reports, 2019, 9, 14277.	3.3	17
5	Orthogonal Full-Field Optical Sampling. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	17
6	Photonic Arbitrary Waveform Generation With Three Times the Sampling Rate of the Modulator Bandwidth. IEEE Photonics Technology Letters, 2020, 32, 1544-1547.	2.5	15
7	Analysis of Non-Idealities in the Generation of Reconfigurable Sinc-Shaped Optical Nyquist Pulses. IEEE Access, 2021, 9, 76286-76295.	4.2	13
8	Photonic Microwave Frequency Measurement With High Accuracy and Sub-MHz Resolution. Journal of Lightwave Technology, 2022, 40, 2748-2753.	4.6	13
9	High-Bandwidth Arbitrary Signal Detection Using Low-Speed Electronics. IEEE Photonics Journal, 2022, 14, 1-7.	2.0	13
10	Brillouin-scattering-induced transparency enabled reconfigurable sensing of RF signals. Photonics Research, 2021, 9, 1486.	7.0	11
11	Reconfigurable and real-time high-bandwidth Nyquist signal detection with low-bandwidth in silicon photonics. Optics Express, 2022, 30, 13776.	3.4	11
12	Integrated High-Resolution Optical Spectrum Analyzer With Broad Operational Bandwidth. IEEE Photonics Technology Letters, 2020, 32, 1061-1064.	2.5	5
13	Optical convolution with a rectangular frequency comb for almost ideal sampling. , 2019, , .		5
14	Compact and Energy-Efficient Forward-Biased PN Silicon Mach-Zehnder Modulator. IEEE Photonics Journal, 2022, 14, 1-7.	2.0	5
15	Modulation Format Aggregation of Nyquist channels by Spectral Superposition with Electro-Optic Modulators. , 2022, , .		3
16	High-speed Silicon Mach-Zehnder Modulator with Corrugated Waveguides for Data Center Interconnects. , 2021, , .		1
17	Nyquist Data Transmission with Threefold Bandwidth of the Utilized Modulator. , 2020, , .		1
18	Emulation of integrated high-bandwidth photonic AWG using low-speed electronics. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
19	Nanofabrication of SOI-Based Photonic Waveguide Resonators for Gravimetric Molecule Detection. Proceedings (mdpi), 2018, 2, 1055.	0.2	0
20	Sinc-shaped, Nyquist Channel Demultiplexing with Silicon Photonics. , 2019, , .		0
21	Integrated all optical sampling of microwave signals in silicon photonics. , 2019, , .		0
22	Dispersionless time-lens with an integrated silicon nitride ring resonator. , 2019, , .		0
23	Integrated high-resolution and broad-bandwidth optical spectrum analyzer. , 2020, , .		0
24	Modulator-based sinc-sequence sampled time and frequency multiplexed QAM signal transmission. , 2021, , .		0
25	Analysis of the effect of jitter and non-idealities on photonic digital-to-analog converters based on Nyquist pulses. , 2022, , .		0